

FACER BEAM BARRIER SYSTEM

ABSTRACT

This invention expands Nelson's Sub-Rigid Fast-Form Barrier System that it was originally a part of. The system disclosed herein is simple to manufacture and simple to use and promises wide commercial application as the labor costs for concrete construction become increasingly prohibitive. The extraordinary absence of nails, screws, bolts, welds or any other fastening device allows these barriers to compete with many conventional barrier systems and any concrete form system on the market today. The invention addresses eccentric beam loading where barriers must be economically fabricated to withstand liquid concrete pressure in a sub-rigid manner. While providing a lightweight beam with heavy weight strength it is also a goal of this invention to provide a form system that is self-contained, meaning that all fasteners to construct the barrier, ties that hold form barriers together, staging needed to erect the barriers, bolts used to plumb the barriers and brackets available to hoist the barriers are all integral parts of this invention. Another goal disclosed herein are barriers for concrete formwork that are made up of ninety percent standard building products found in any locality in the world. This barrier invention offers rapid erection time that can be accomplished by unskilled labor and result in a quality construction.